

THE ARIZONA MINING FIELD

Items About the Mines and Mineral Development Culled From Exchanges.

TREASURELAND OF AMERICA

Reports From Many Districts in the Territory, Telling of Important Discoveries, Active Operations and the Organization of New Companies, Auguring a prosperous year.

The Standard says the use of coal is being curtailed as much as possible at Clifton. Coke is being used in its place wherever it can be.

The Copper Era says that work is progressing nicely on the new power plant at Morenci. The 400 horse power Crossley gas engine will be running by the first of the year, and much of the other machinery is on the ground ready to be installed.

The Arizona and Detroit Copper companies are reported about ready to commence construction of a dam below the concentrators for the purpose of stopping tailings. The latter will be hauled from the dam and used for filling in old workings as the Shannon is now doing. —Standard.

The board of regents of the University of Arizona have ordered new equipment for the school of mines—two new dynamoes, one for the laboratory to be used in crushing ores and the other for the new mill. Wilfey tables will be installed at the mill which will be in operation by or before January 1 next.

In the total of the reporting mines, which represent a total production in 1902 of 456,778,663 pounds of copper, out of a total of 650,508,644 pounds, had a stock of 155,665,652 pounds of copper on January 1, 1903, as compared with 282,014,297 pounds on January 1, 1902, a decline of over 125,000,000 pounds during 1902.

Greene Consolidated Copper company is planning to build a custom smelter at Cananea. Although the Consolidated Copper company, which is now producing 50,000,000 pounds of copper a year, has seven large smelters in the neighborhood of Cananea, all these are kept busy in the interest of the company and can not handle ore for outside people.

The oil burners which were recently installed by the Arizona Copper company, seem to be giving satisfaction, although high freight rates increase the cost of oil to such an extent that it is more expensive than coal and coke. However, in times of scarcity of coal it is quite an advantage to have oil as a substitute. —Copper Era.

Russia produces about 90 per cent of the platinum mined in the world, a large portion of the remainder coming from Colombia, South America. In 1902 the United States produced only 94 ounces, and in 1901 about 1408 ounces. With the production of platinum in 1902, there were also produced 20 ounces of iridium, which greatly resembles platinum in its physical and chemical properties.

Supt. James Douglas, of the Montezuma Copper company, was in Douglas Saturday. He said that work on the Nacozari property of Phelps, Dodge & Co. was progressing slowly but to the satisfaction of the company. The mines are being worked with more men than ever and more ore is being taken out and reduced. Such a report is very encouraging to the people of Douglas, for, to a great extent, the prosperity of this city is due to the progressive work of Phelps, Dodge & Co., at Nacozari as well as Bisbee. —International-American.

V. B. Thompson was in the city Tuesday, en route east to attend the annual meeting of the Shannon company stockholders, which will be held on the 27th of this month. Mr. Thompson tells of a new and rich strike on the Shannon mine. Recently some development work was commenced on a corner of the property farthest away from the old workings. A deposit of ore was discovered and a tunnel has been run into it 35 feet without reaching its limit. This ore averages 8 per cent in copper, which makes it a good mine all alone. —Lordsburg Liberal.

A considerable stir is being caused by recent developments in the new mining district about ten miles east of Douglas, on the American side, says the International-American. Some very rich specimens have been brought in recently from that country. Not long ago the Clark boys made a new strike on their property, which they call the "Homestake Mine," which has been improving with every day's work. The surface showed lead in considerable quantities, and they commenced sinking on this. At a depth of 20 feet they began to encounter copper. The formation of the country

is lime and porphyry, running north and south and most of the ore has been found in veins running northeast and southwest, near the contact of the two formations. The copper ores encountered so far have been black and red oxide and pyrites, running from 9 to 40 per cent and carrying from \$2.00 to \$17.00 in gold and from 10 to 40 ounces silver. The lead ore runs from 15 to 80 per cent.

It is said that the earnings of the American Smelting & Refining company are at a rate approximating \$750,000 per month, or about \$9,000,000 per annum. At this rate the company is earning about 11 per cent on its common stock. Silver has advanced 13 cents per ounce in the last eight months, which increased the value of the metal on hand. The company has now between \$18,000,000 and \$20,000,000 working capital, of which \$6,000,000 is in cash. The company has outstanding \$50,000,000 each of common and preferred stock and a trifling amount of bonds. The stock, including the preferred, is held by about 4100 stockholders.

The Pilares hit it rich this week, within a few days after development work was resumed. According to report of Manager Beauchamp, eighteen inches of ore was broken into Wednesday which goes sixteen ounces in gold with good showing of copper and silver values on the side. The Pilares is just north of the Clifton Consolidated and is believed to be on the same vein. This week's strike confirms the opinion held by many, and evidenced by the late activity in gold claims, that there is more than copper in this territory that is worth going after. The success in the Pilares comes at an opportune time and is bound to result in much good. Now that she is in a big paystreak, development of the mine will undoubtedly be pushed rapidly. —Morenci-Clifton Standard.

The Copper Era says: "A new strike has been made by the Shannon Copper company which promises to be one of the most important and extensive discoveries in this district. The strike was made on the Northern Point claim, in the neighborhood of Metcalf, being the claim recently purchased from the Arizona Copper company. Considerable development work had been done on the claim. The new strike was made while the company was running a tunnel from below to cut the main ledge at a considerable depth. When the ore body was struck the company commenced drifting and have continued to do so ever since. They have now drifted 35 feet in the ore, which averages 7 and 8 per cent copper. The Northern Point claim will no doubt be a heavy producer for the Shannon Copper company in the future.

Dr. J. F. Force, of Minneapolis, Minn., is at Florence for the purpose of reorganizing the Gila-Pinal Mines company, in which he is the largest stockholder, says the Blade. The sudden death of President Thayer left the company in rather a peculiar position. When the articles of incorporation were drawn up a clause was inserted empowering President Thayer to transact all the business of the company until the stockholders could meet and elect a board of directors and a full complement of officers. But before this was done President Thayer died unexpectedly and there was no one left who was qualified to sign a paper, call a meeting, etc., and the stockholders could do nothing but bring a suit to dissolve the incorporation and reorganize. Dr. Force will remain till this can be done.

On the 1,000 foot level of the South Bisbee and 1,000 feet from the shaft the company has run into a seventy-three foot vein of ore running from twelve to forty per cent in copper. The find is described as the richest and greatest in the Warren district so far in quantity and richness. Pockets and kidneys of the richest kind of carbonates have been uncovered, and everything points to the good old property to which longing eyes have been turned, as being one of the greatest things that has happened in the Bisbee balliwick for many days. The drift leads off in the direction of the Calumet and Bisbee and inclined towards the Wolverine and Arizona. It is the intention of the company to go after this body of ore on the 1100 foot level, and if conclusions are correct, as undoubtedly they are, the dip being in the direction estimated, the South Bisbee will strike the ore much nearer than even at present. —Review.

Not a Sick Day Since.

"I was taken severely sick with kidney trouble. I tried all sorts of medicines, none of which relieved me. One day I saw an ad. of your Electric Bitters and determined to try that. After taking a few doses I felt relieved, and soon thereafter was entirely cured, and have not seen a sick day since. Neighbors of mine have been cured of Rheumatism, Neuralgia, Liver and Kidney troubles and General Debility." This is what B. F. Bass, of Fremont, N.C., writes. Only 50c, at all druggists.

Buy your meats at the Globe Meat market, where the best of everything is kept. Orders promptly filled and delivered in any part of town. D. Murphy.

GOLD AND SILVER IN 1902

Figures From the Report of the Director of the Mint.

Following is the director of the mint's report of the production of gold and silver of the United States. In estimating the silver output the coinage value is given:

	Gold.	Silver.
Alabama.....	\$ 2,500	\$ 120
Alaska.....	8,345,800	118,950
Arizona.....	4,112,300	2,934,513
California.....	16,782,100	1,164,671
Colorado.....	28,408,700	20,267,960
Georgia.....	97,800	5,517
Idaho.....	1,457,000	7,569,842
Maryland.....	2,500	257
Michigan.....	.....	.....
Montana.....	4,347,000	17,123,297
Nevada.....	2,805,300	4,843,572
New Mexico.....	531,131	591,137
North Carolina.....	93,700	27,022
Oregon.....	1,816,700	120,630
South Carolina.....	121,900	388
South Dakota.....	6,965,400	439,855
Tennessee.....	.....	15,903
Texas.....	.....	576,905
Utah.....	3,594,500	14,064,622
Virginia.....	3,100	7,628
Washington.....	272,200	890,323
Wyoming.....	38,800	6,484

Totals.....\$80,000,000 \$71,757,575
The number of fine ounces of gold is given as 3,870,000 and of silver as 55,500,000. This is an increase of 64,500 ounces of gold as compared with 1901, and an increase of 286,000 ounces of silver. The total value of the silver produced is \$29,415,000 as against \$71,675,575, its coinage value. The estimate of the director of the mint of the world's production of gold and silver for the calendar year is: Gold, total value, \$265,889,000; silver coinage value, \$215,861,800.

Following are figures for some of the leading countries:

	Gold.	Silver.
United States.....	\$80,000,000	\$71,757,575
Mexico.....	10,153,100	77,804,100
Canada.....	20,741,200	5,564,500
Africa.....	39,023,700	.....
Australia.....	81,678,800	10,377,100
Russia.....	22,533,400	205,200
Austria-Hungary.....	2,171,300	2,432,200
Italy.....	5,300	1,246,800
Spain.....	10,200	4,784,100
Greece.....	.....	1,409,500
Bolivia.....	4,700	10,897,600
Chile.....	575,200	4,611,600
Colombia.....	2,532,600	2,207,000
Brazil.....	9,994,600	.....
Guinea (British).....	1,808,600	.....
Guinea (French).....	2,420,200	.....
Peru.....	2,826,100	5,313,700
Central America.....	2,001,900	1,255,800
Japan.....	1,287,000	505,000
China.....	8,731,800	.....
Corea.....	3,500,000	.....
British India.....	9,688,100	.....
British E. Indies.....	1,027,000	.....

As compared with 1901, these figures show an increase in the production of gold of 1,572,914 ounces and a decrease of 8,042,934 ounces in the production of silver. During the year Africa increased her gold production from 439,704 ounces to 1,887,773 ounces and Australia increased her gold production to \$81,678,800, which is over a million and a half dollars in excess of the production of the United States, which again takes second place.

A GREAT RANCH ENTERPRISE

Gigantic Agricultural Plan Now Being Put in Operation Near Mesa.

The Chandler property, seven miles south of Mesa is rapidly assuming a most prosperous air. For months gangs of men have been surveying the desert lands, ditching, plowing and leveling. At the present time Dr. Chandler announces that 1,300 acres have been irrigated and seeded to alfalfa. Over 100 men are constantly at work, and about twenty-five acres daily are reclaimed. At this pace it will not be many days before the Chandler ranch will be the greatest in the valley.

Until about the first of December alfalfa will be sown. At that time grain will be planted. Most of the men employed have their families on the scene and the outlook resembles a veritable tent city.

The present pumping plant has a capacity of 1,200 inches. This is sufficient to irrigate 4,000 acres. As soon as the river rises the water supply will be augmented. —Enterprise.

The Central Market's elegant delivery wagon service, has been resumed for the winter season. This service, which is a very great convenience, is appreciated by customers. The meats provided for the wagon service are equally as choice as can be had at the shop, and are the very best that money can buy. On request, the wagon will call daily at your home, saving the trouble of a trip down town. Following his established custom, Mr. Bonne, proprietor of the Central Market, is offering to the public the finest meats, best home-dressed poultry, fresh fish and oysters to be obtained anywhere. Fish received from the coast twice a week; oysters every other day; fresh eggs and the choicest creamery butter every day.

We want your business because we can save you money on clothing and furnishing goods. Max Lantlin.

Knock-Out Drops

"I am a saloon-keeper, and used to think that rock and rye, or whiskey and quinine were proper remedies for coughs and colds. Most of my acquaintances were of the same opinion. Now I know something better. It is Acker's English Remedy for Coughs and Colds. A good while ago I began to cough and found out then that rock and rye was no good. I got worse and I was beginning to think that the trouble would run into consumption. I didn't take any stock in patent medicines, but somehow or other I tried Acker's English Remedy. One bottle did the business for me—knocked that cough out completely—and it has never come back again. There is never a day passes that I don't say a good word about this wonderful medicine. I almost forgot to say that I am stronger and healthier now, since taking the remedy, than I was before the cough began. I write this letter voluntarily and cheerfully and am glad to do it." (Signed) CHAS. HUMBLE, Saloon-keeper, Pontefract, Idaho.

Sold at 25c. Do not let a bottle of this through the United States—Canada and in England, at 1s. 2d., 2s. 6d., 4s. 6d. If you are not satisfied after buying, return the bottle to your druggist, and get your money back. We warrant the above guarantee.

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SOCIETIES, LODGES ETC.

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Regular meetings of White Mountain Lodge, No. 3, will be held the first Tuesday in each month, in Odd Fellows' building.

R. C. SLOAN, W. M.

G. W. SHUTE, Secretary.

Globe Chapter No. 7, R. A. M.

Regular Conventions of Globe Chapter, No. 7, R. A. M., fourth Friday evening in each month; from May to October, 8 p. m., from October to May, 7:30 p. m. Visiting companions cordially invited.

A. H. MOREHEAD, H. P.

EDWARD W. PEEK, Secy.

B. P. O. E.

Globe Lodge, No. 489, B. P. O. E., meets on the First and Third Fridays in each month in Odd Fellows Hall. Visiting Elks are cordially invited.

GEO. J. STONEMAN, E. R.

R. J. WILLIAMS, Secretary.

A. O. U. W.

Globe Lodge No. 15, meets on the First and Third Friday of each month at eight o'clock p. m. in Miners' Union Hall. Visiting brothers in good standing are cordially invited to attend.

PATRICK ROSE, M. W.

L. N. MARK, Recorder.

I. O. O. F.

Rescue Lodge, No. 12, meets on every Wednesday evening. Visiting brothers are cordially invited.

GEORGE H. WRIGHT, N. G.

J. M. CURRITT, Secretary.

Redme.

Tonto Tribe No. 13, Improved Order of Redmen, meets first and third Thursdays in each month, in Miners' Union Hall.

WM. GRAVELLE, Sachem.

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